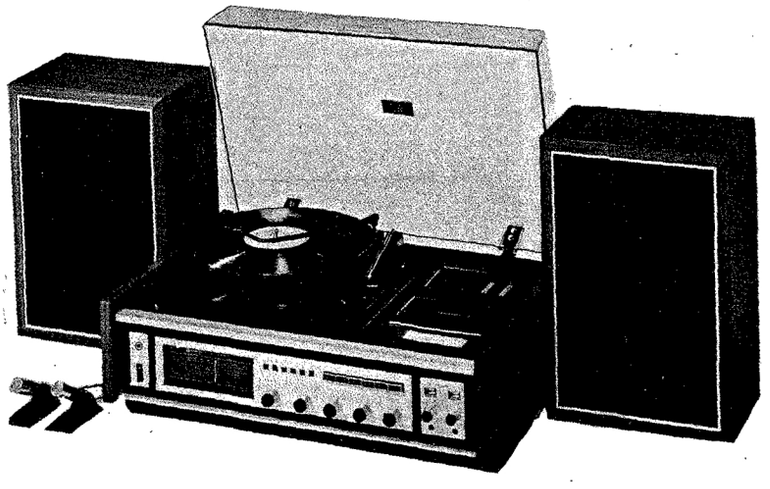
SANYO

SANYO
STEREO MUSIC SYSTEM
G-2601KC
SERVICE MANUAL



SPECIFICATIONS

GENERAL

Transistors:	42 Transistors
Diodes:	26 Diodes
Frequency Response:	30—20,000 Hz
Power Source:	AC 110,200,220,240V
Dimensions:	23-1/2"(W)×9-5/16"(H)×16-1/8"(D)
Weight:	29.7 lbs.

TUNER SECTION

Frequency Range:	MW: 540—1,600 KHz FM : 88— 108 MHz
Output Power:	30W (Total music power) 20W (Total max. power)
FM MPX Separation:	35 dB (1,000 Hz)

CASSETTE RECORDER SECTION

Recording System:	AC Bias, 1/4 track
Erasing System:	AC Erasing, 1/2 track
Tape Speed:	1-7/8 ips.
Rewind & F.Forward Time:	120 sec. (C-60 cassette)
Wow & Flutter:	0.2% RMS

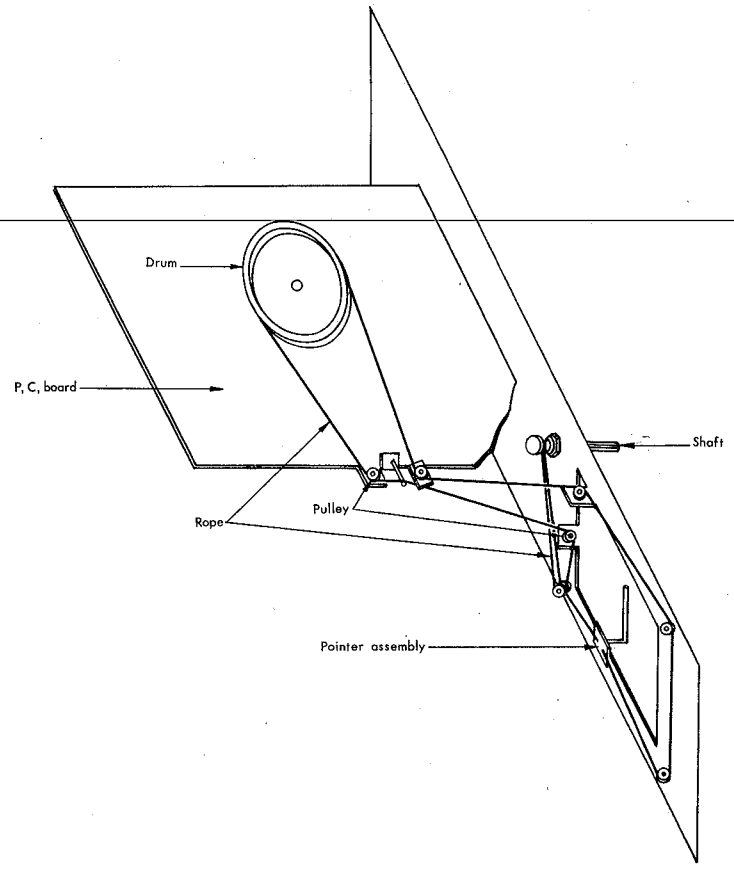
SPEAKER SECTION

Speaker:	Woofer 6-1/2" × 2 Tweeter 2" × 2
Input Power:	10W
Matching Impedance:	8 ohms
Dimensions:	11"(W)×16-1/8"(H)×7-1/4"(D)
Weight:	17.6 lbs.

AUTO CHANGER SECTION

Turntable Speed:	16, 33-1/3, 45, 78, rpm.
Pick up System:	Ceramic Stereo Cartridge with diamond stylus
Wow & Flutter:	0.25%
Tracking Force:	5 grams
Turntable:	10" dia.

DIAL CORD STRING



ALIGNMENTS

AM ALIGNMENTS

Sequence of Alignment	Wave Range	Signal Generator		Dial Pointer	Connection high side of signal generator to	Coil Adjustment	Indication
		Frequency	Modulation				
I.F.T. T-806	MW	455 KHz	AM 30%	Lower end	Thru loop antenna		Max. output
I.F.T. T-807	MW	455 KHz	AM 30%	Lower end	Thru loop antenna		Max. output
I.F.T. T-808	MW	455 KHz	AM 30%	Lower end	Thru loop antenna		Max. output
Oscillator coil	MW	515 KHz	AM 30%	Lower end	Thru loop antenna	L-9	Max. output
Ferrite ant coil	MW	600 KHz	AM 30%	600 KHz	Thru loop antenna	L-5	Max. output
Oscillator trimmer	MW	1,650 KHz	AM 30%	Upper end	Thru loop antenna	Ct-6	Max. output
Ant. trimmer	MW	1,400 KHz	AM 30%	1400 KHz	Thru loop antenna	Ct-4	Max. output

ALIGNMENTS

FM and RF ALIGNMENTS

Sequence of Alignment	Wave Range	Signal Generator		Dial Pointer	Connection high side of signal generator to	Coil Adjustment	Indication
		Frequency	Modulation				
Oscillator coil	FM	85.5 MHz	FM 30%	Lower end	Signal generator to FM EXT. antenna	L-3	Max. output
RF. coil	FM	90MHz	FM 30%	90 MHz	Signal generator to FM EXT. antenna	L-2	Max. output
Antenna coil	FM	90 MHz	FM 30%	90 MHz	Signal generator to FM EXT. antenna	L-1	Max. output
Oscillator trimmer	FM	110.0 MHz	FM 30%	Upper end	Signal generator to FM EXT. antenna	Ct-3	Max. output
RF. trimmer	FM	106 MHz	FM 30%	106 MHz	Signal generator to FM EXT. antenna	Ct-2	Max. output
Ant. trimmer	FM	106 MHz	FM 30%	106 MHz	Signal generator to FM EXT. antenna	Ct-1	Max. output.

FM and IF ALIGNMENTS

Sequence of Alignment	Wave Range	Alignment Frequency	Test equipments connections	Adjustment	Curve
1. I.F.T T-1	FM	10.7 MHz	Connect sweep generator to ct-3 and oscilloscope to test point j808.	T-1 tune for max. gain and symmetry of response curve.(Fig. 1)	Fig-1
2 I.F.T T-801	FM	10.7 MHz	Same as above connection.	T-801 tune for Max. gain and symmetry of response curve.(Fig. 1)	
3. I.F.T T-802	FM	10.7 MHz	Same as above connection.	T-802 tune for Max. gain and symmetry of response curve.(Fig. 1)	
4. I.F.T T-803	FM	10.7 MHz	Same as above connection.	T-803 tune for Max. gain and symmetry of response curve.(Fig. 1)	Fig-2
5. I.F.T T-804 T-805	FM	10.7 MHz	Connect sweep generator to ct-3 and oscilloscope to test point j809.	T-804 and T-805 tune symmetry and Max. gain of response curve. (Fig. 2)	

MPX ALIGNMENTS

Subject	Sequence of Alignment	Standard Signal Generator		Stereo signal generator	SCA signal generator	Coil Adjustment	Test point	Indication
		Frequency and attenuator input	Modulation					
Adjustments of SCA (Fig. 1)	1	98 MHz 60 dB	FM 30%	FM stereo and pilot signal	67 KHz with 1 KHz 10% Modulation			500 mW output
	2			OFF				
	3					L-1	TP-601	min. output
Adjustments of 19 KHz and 38 KHz (Fig. 1)	1	98 MHz 60dB	FM 10%	with only pilot signal		L-2 L-3	TP-602	max. output
	2	98 MHz 60 dB	FM 10%	with only pilot signal		L-5	TP-603	max. output

Subject	Sequence of Alignment	Stereo signal generator				Coil adjustment	Indication
		Pilot signal	Pilot signal, Main and sub channel	Output signal			
				Left channel	Right channel		
Adjustment of separation	1	10% modulation					
	2		30% modulation (with main output signal)				
	3			Right channel output of receiver	Left channel output of receiver	L-4	min. output

Fig-1

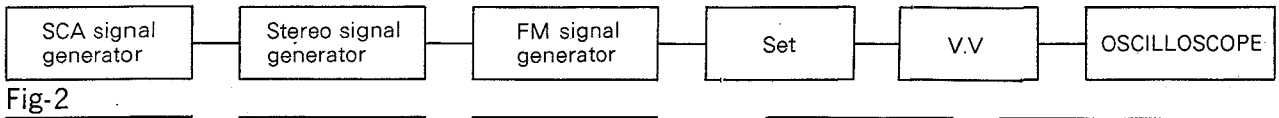
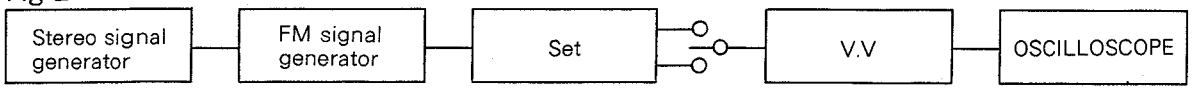


Fig-2



PARTS LIST

Ref. No.	Part No.	Description	Q'ty
PACKAGE			
	R-477788	Instruction book	1
	R-408506a	Individual carton, set	1
	R-417416	Styro-foam carton, set top	1
	R-417417	Styro-foam carton, set bottom	1
	R-40844	Individual carton, Speaker	½
	R-417418	Styro-foam carton, Speaker	½
CABINET			
	R-A7695	Cabinet assembly	1
	R-467022a	├Cabinet	1
	R-467023	├Fix plastic board, Panel	1
	R-408208	├Bottom cover	1
	R-445037	└Leg	4
	R-A7696	Top lid assembly	1
	R-317119a	├Top lid	1
	R-267471	├Decoration metal	2
	R-S87514	├Hinge	2
	R-47930	└Fix metal	2
	R-447160	Rubber cushion	2
	R-477822	Specification sheet	1
	R-S87520	Speaker box assembly	2
	R-S87521	├Speaker box	2
	R-467058	├Buffle plate	2
	R-437073	├Net	2
	R-277122	├Outside frame of aluminium	4
	R-277123	├Outside frame of aluminium	4
	R-408226a	├Rear cover	2
	R-397389	├Fix plastic board, Badge	2
	R-267103	└Badge	1
	R-A7715	Panel assembly (Cassette)	1
	R-317121a	├Panel	1
	R-267475	└Decoration metal	1
	R-A7705	Panel assembly, Front	1
	R-317120a	├Panel	1
	R-387108a	├Cover, Dial	1
	R-387109	├Cover, Function lamp	1
	R-387144a	├Dial	1
	R-267633	├Decoration metal, Control	1
	R-267473	├Decoration metal, Rec. VR	1
	R-267474	├Decoration metal, Power SW	1
	R-277103	├Outside frame of aluminium, Top	1
	R-277104	├Outside frame of aluminium, Bottom	1
	R-387050	├Lamp cover, FM stereo	1
	R-397637	└Film, Green film	1
	R-327192	Cassette storage lid	1
	R-327204	Fix plastic board	1
	R-117931	Fix metal, Panel-Calinet	1
	R-117932	Fix metal, MIC VR-Panel	3
	R-118041	Fix metal, Cassette panel-Cabinet	1
	R-447104	Protector	2
	R-118042	Reflection plate	1
	R-447107	Holder	3
	R-447108	Holder	2
	R-447109	Holder	8
	R-437085	Protector	1
	R-117931	Fix metal, Panel-Cabinet	1
	R-117932	Fix metal, MIC VR-Panel	3
	R-118041	Fix metal, Cassette panel-Cabinet	1
	R-A7686	Knob assembly (TUNING)	1
	R-A7687	Knob assembly (BASS,TREBLE, BALANCE,VOLUME)	4
	R-A7688	Knob assembly (MIC.,VOLUME)	2
	R-A7706	Knob assembly (AM)	1
	R-A7707	Knob assembly (MIC)	1
	R-A7691	Knob assembly (FM AUTO)	1
	R-A7692	Knob assembly (PHONO)	1
	R-A7693	Knob assembly (AUX)	1
	R-A7694	Knob assembly (TAPE)	1
	R-327214	Knob, Cassette storage lid	1
CHASSIS			
	R-117947	Chassis, Front	1
	R-117948	Chassis, Rear	1
	R-117949	Chassis, RF,MPX, AF PCB mtg.	1
	R-117950a	Chassis, Power	1
	R-117951	Chassis, Right side	1
	R-117952	Chassis, Left side	1

Ref. No.	Part No.	Description	Q'ty
CHASSIS			
	R-117953	Fix metal, Pulley	1
	R-S87518	Shaft assembly, Dial	1
	R-325017	Pulley, Dial	8
	R-247041	Pulley shaft	4
	R-277073	Pulley shaft	4
	R-247145	Rope guide	1
	R-32324	Drum	1
	R-15041	Coil spring, Drum	2
	R-247186	Shaft, VC-Drum	1
	R-S887519	Pointer assembly	1
	R-A7679	Printed circuit board assy. (AF)	1
	R-A7680	Printed circuit board assy. (MPX)	1
	R-A7681	Printed circuit board assy. (RECTIFIER CIRCUIT)	1
	R-A7682	Printed circuit board assy. (VR)	1
	R-A7708	Printed circuit board assy. (SELECT)	1
	R-A7650	Printeb circuit board assy. (RF)	1
	R-A7709	Printed circuit board assy. (MIC)	1
	R-A7532	Printed circuit board assy. (IF)	1
	R-117835a	Shield case (IF)	1
		Rope (0.5tx1180L)	1
	R-A7713	Printed circuit board assy. (FUSE)	1
	R-117954	Chassis, MIC VR mtg.	1
	R-A7684	Printed circuit board assy.(CASSETTE)	1
	R-A7685	Printed circuit board assy. (OSC.)	1
	R-1117957	Shield case, OSC PCB	1
	R-267505a	Shield plate, CASSETTE PCB	1
	R-415279	Cushion, OSC PCB	1
	R-357035	Nylon bushing, AC cord	1
	R-247144	Special screw, Shield plate mtg.	4
	R-118053	Fix metal, Fuse holder	1
	R-245299	Special screw, VC-Drum	1
	R-445081	Cushion, VC	1
ELECTRICAL PARTS			
		(TUNER SECTION)	
L-5	R-S87613	Antenna coil assembly (AM)	1
L1	R-W2764	Antenna coil (FM)	1
L3	R-W9018	VHF coil	1
L2	R-W9515	VHF coil	1
L4	R-W9701	VHF coil	1
L9	R-W8549	OSC coil	1
T1	R-W5T725	IF. trans.	1
Cv-1,2,3,4,5	R-C1710	Variable capacitor	1
SVR-1	R-R11011	Semi-fixed resistor (100K ohm)	1
Ct-1,2,3	R-C0710	Trimmer	3
Ct-4, 6	R-C0046	Trimmer	1
		Eyelet (2×3)	5
	R-S1803	Terminal	5
		Eyelet	5
Tr-1		Transistor 2SC668	1
Tr-2		Transistor 2SC668	1
Tr-3		Transistor 2SA202	1
D-1		Diode 1S188 (FM)	1
		(IF SECTION)	
T801, 802 803	R-W5T716	IF. trans.	3
T804	R-W5T717	IF. trans.	1
T805	R-W5T718	IF. trans.	1
T806	R-W5T719	IF. trans.	1
T807	R-W5T720	IF. trans.	1
T808	R-W5T721	IF. trans.	1
SVR-801	R-R11011	Semi-fixed resistor (100K ohm)	1
Tr-801, 802 803, 804		Transistor 2SC930	4
D801, 802 803		Diode 1S188 (FM)	3
D804		Diode 1S188 (AM)	1
		(AMP SECTION)	
		Eyelet (2×3)	22
Tr-101, 102 103 104 201, 202 203, 204		Transistor 2SC537	8
		(MPX SECTION)	
L-1	R-W4706	MX coil	1

PARTS LIST

Ref. No.	Part No.	Description	Q'ty
ELECTRICAL PARTS			
L-2	R-W4707	MX coil	1
L-3	R-W4708	MX coil	1
L-4	R-W4709	MX coil	1
L-5	R-W4710	MX coil	1
	R-CXC716	Packed capacitor & resistor	2
Tr-601, 602 603, 604 605		Transistor 2SC537	5
D605, 606 607, 608		Diode 1S188	4
D601, 602 603, 604		Diode DS-410R	4
		(CASSETTE SECTION)	
	R-W8729	Oscillator coil	1
L3, 4	R-W1719	Bias trap	2
L1, 2	R-W6724 / R-W6718	Choke coil	2
	R-R110706	Semi-fixed resistor (2K ohm)	1
	R-S4809	Slide switch, 8 R/P select	1
	R-S4808	Slide switch, 6 R/P select	1
	R-S2770	Plug, 7P	1
	R-S2776	Plug, 9P	1
	R-23275	Eyelet	6
Tr-401, 402 501, 502		Transistor 2SC693	4
Tr-403, 503		Transistor 2SC537	2
Tr-404, 504		Transistor 2SC537	2
D401, 402 501, 502		Diode 1S188 AM	4
		(OSC SECTION)	
SVR-501 502	R-R11015	Semi-fixed resistor (500K ohm)	2
Tr-405, 406		Transistor 2SC537	2
		(POWER SUPPLY SECTION)	
		Eyelet (2×3)	10
D701, 702 703, 704		Diode 10D-1	4
D705		Diode BZ-210	1
		(CONTROL SECTION)	
VR-103,203	R-R116739	VR, Balance 500 K ohm MN	1
VR-104,204	R-R116740	VR, Volume 50 K ohm B	1
VR-101,102 201,202	R-R116741	VR, Treble, Bass 50 K ohm A	2
		Eyelet (2×3)	5
		(MIC AMP. SECTION)	
		Eyelet (2×3)	2
Tr-171, 271		Transistor 2SC537	2
		(CHASSIS SECTION)	
	R-W7776	Power trans.	1
	R-S1804	Fuse,	1
	R-S3708-1	AC Cord	1
	R-S1733	Connector, AC cord	1
	R-S1790	Terminal, ANT, SP	2
	R-S4810	Push switch	1
	R-S2780	Jack, AUX	1
	R-S3728	Lug (5P)	2
	R-S3774	Cord assembly, Auto changer	1
	R-S1817	Contact, Auto changer	3
	R-S2781	Plug, Auto changer	1
	R-S2775	Socket	2
	R-S2773	Socket	1
	R-S2774	Plug	1
	R-S1755	Holder	1
Tr-107, 207		Transistor 2SC931	2
Tr-106, 206		Transistor 2SB474	2
Tr-105, 205		Transistor 2SD24	2
D-101, 102		Diode 10D-1	2
		(PANEL SECTION)	
	R-R116738	Variable resistor, 10 K ohm-B MIC VR	2
	R-S4734	Seesaw switch, Power	1
	R-S1806-1	Pilot lamp, Function	6
	R-S1806-2	Pilot lamp, Stereo indicator	1
	R-S1807	Pilot lamp Dial	3
	R-S2766	Jack (HEAD-PHONE)	1
	R-S2767	Jack (MIC)	2
	R-S5750	Indicator	2
	R-S2771	Socket, 7P	1

Ref. No.	Part No.	Description	Q'ty
ELECTRICAL PARTS			
	R-S2777	Socket, 9P	1
		(SPEAKER SECTION)	
	R-S0816	Speaker (6-½")	2
	R-S0817	Speaker (2-½")	2
	R-S87531-2	Cord assembly, Speaker	2
		(ACCESSORIES)	
	R-S0818	Microphone	2
	R-S0825	Casse tte tape	1
	R-S87563	Lead assembly, AM antenna	1
	R-S87565	Lead assembly, FM feeder antenna	1
	R-S8574b / R-S8575b	Adaptor assembly	1

Ref. No.	Part No.	Description			Q'ty
RESISTORS					
		(TUNER SECTION)			
R2, 3, 5, 21		Carbon 2.2 Kohms	±10%	¼W	4
R7		Carbon 5.6 Kohms	±10%	¼W	1
R8, 9		Carbon 10 Kohms	±10%	¼W	2
R10, 17		Carbon 220 ohms	±10%	¼W	2
R12		Carbon 15 Kohms	±10%	¼W	1
R13		Carbon 3.3 Kohms	±10%	¼W	1
R4		Carbon 1.2 Kohms	±10%	¼W	1
R1		Carbon 560 ohms	±10%	¼W	1
R16, 20		Carbon 100 ohms	±10%	¼W	2
R6		Carbon 150 ohms	±10%	¼W	1
R18		Carbon 27 Kohms	±10%	¼W	1
R14		Carbon 2.7Kohms	±10%	¼W	1
		(IF SECTION)			
R801, 818 819, 820		Carbon 220 ohms	±10%	¼W	4
R802		Carbon 560 ohms	±10%	¼W	1
R803, 806		Carbon 330 ohms	±10%	¼W	2
R804, 807 810, 812 813		Carbon 1 Kohms	±10%	¼W	5
R805, 809 814, 815		Carbon 5.6 Kohms	±10%	¼W	4
R808, 816		Carbon 10 Kohms	±10%	¼W	2
R811		Carbon 270 ohms	±10%	¼W	1
		(AMP. SECTION)			
R115, 215		Carbon 390 ohms	±10%	¼W	2
R119, 219		Carbon 270 ohms	±10%	¼W	2
R114, 214		Carbon 1 Kohms	±10%	¼W	2
R121, 221		Carbon 1.5 Kohms	±10%	¼W	2
R122, 222		Carbon 2.7 Kohms	±10%	¼W	2
R112, 212		Carbon 3.3 Kohms	±10%	¼W	2
R117, 217		Carbon 6.8 Kohms	±10%	¼W	2
R128, 228		Carbon 10 Kohms	±10%	¼W	2
R123, 223		Carbon 12 Kohms	±10%	¼W	2
R120, 220		Carbon 22 Kohms	±10%	¼W	2
R116, 216		Carbon 100 Kohms	±10%	¼W	2
R113, 213		Carbon 120 Kohms	±10%	¼W	2
R111, 211 118, 218		Carbon 470 Kohms	±10%	¼W	4
R102		Carbon 820 ohms	±20%	¼W	1
R103		Carbon 1 Kohms	±20%	¼W	1
R101		Carbon 5.6 Kohms	±20%	¼W	1
R126, 127 226, 227		Carbon 0.5 ohms	±10%	1W	4
R124, 224		Carbon 100 ohms	±10%	2W	2
R125, 225		Carbon 150 ohms	±10%	2W	2
		(MPX. SECTION)			
R601		Carbon 220Kohms	±10%	¼W	1
R602		Carbon 820 ohms	±10%	¼W	1
R603		Carbon 1.8 Kohms	±10%	¼W	1
R604		Carbon 82 Kohms	±10%	¼W	1
R605		Carbon 33 Kohms	±10%	¼W	1
R606, 610		Carbon 1 Kohms	±10%	¼W	2
R607		Carbon 1.5Kohms	±10%	¼W	1
R608		Carbon 39 Kohms	±10%	¼W	1
R609, 613		Carbon 5.6 Kohms	±10%	¼W	2
R611, 616 617, 618 619		Carbon 6.8 Kohms	±10%	¼W	5
R612		Carbon 1.8 Kohms	±10%	¼W	1

PARTS LIST

Ref. No.	Part No.	Description	Q'ty
RESISTORS			
R614, 615		Carbon 10 Kohms ±10% ¼W	2
R620		Carbon 56 ohms ±10% ¼W	1
		(CASSETTE SECTION)	
R428, 528		Carbon 8.2 ohms ±10% ¼W	2
R401, 415 515		Carbon 100 ohms ±10% ¼W	3
R434, 534		Carbon 330 ohms ±10% ¼W	2
R413, 513		Carbon 470 ohms ±10% ¼W	2
R403, 404 426, 526		Carbon 1 Kohms ±10% ¼W	4
R420, 520		Carbon 1.2 Kohms ±10% ¼W	2
R416, 423 516, 523		Carbon 2.2 Kohms ±10% ¼W	4
R412, 512		Carbon 2.7 Kohms ±10% ¼W	2
R422, 435 522, 535		Carbon 3.3 Kohms ±10% ¼W	4
R402, 429 529		Carbon 3.9 Kohms ±10% ¼W	3
R431, 531		Carbon 8.2 Kohms ±10% ¼W	2
R430, 530		Carbon 10 Kohms ±10% ¼W	2
R421, 521		Carbon 12 Kohms ±10% ¼W	2
R432, 532		Carbon 15 Kohms ±10% ¼W	2
R417, 517		Carbon 18 Kohms ±10% ¼W	2
R419, 519		Carbon 22 Kohms ±10% ¼W	2
R414, 514		Carbon 68 Kohms ±10% ¼W	2
R425		Carbon 100 Kohms ±10% ¼W	1
R418, 433 518, 533		Carbon 150 Kohms ±10% ¼W	4
R424, 524		Carbon 330 Kohms ±10% ¼W	2
R411, 511		Carbon 10 ohms ± 5% ¼W	2
R525		Carbon 100 Kohms ±10% ¼W	1
R406		Solid 10 ohms ±20% ½W	1
R436		Carbon 820 ohms ±10% ¼W	1
		(OSC SECTION)	
R454		Carbon 1 ohms ±10% ¼W	1
R451		Carbon 47 ohms ±10% ¼W	1
R452		Carbon 3.3 Kohms ±10% ¼W	1
R453		Carbon 5.6 Kohms ±10% ¼W	1
R405		Carbon 390 ohms ±10% ½W	1
		(POWER SUPPLY SECTION)	
R705		Carbon 750 ohms ±10% ¼W	1
R704		Carbon 820 ohms ±10% 1W	1
R706		Carbon 560 ohms ±10% ½W	1
R703		Carbon 180 ohms ±10% 2W	1
R702		Carbon 220 ohms ±10% 2W	1
R701		Carboo 270 ohms ±10% 2W	1
		(CONTROL SECTION)	
R152, 252		Carbon 470 ohms ±10% ¼W	2
R153, 253		Carbon 680 ohms ±10% ¼W	2
R154, 254		Carbon 1.2 Kohms ±10% ¼W	2
R151, 251		Carbon 10 Kohms ±10% ¼W	2
		(MIC. & SWITCH SECTION)	
R176, 178 276, 278		Carbon 390 ohms ±10% ¼W	4
R285		Carbon 560 ohms ±10% ¼W	1
R172, 272		Carbon 1.2 Kohms ±10% ¼W	2
R174, 274		Carbon 1.5 Kohms ±10% ¼W	2
R182, 282		Carbon 3.3 Kohms ±10% ¼W	2
R180, 280		Carbon 4.7 Kohms ±10% ¼W	2
R284, 286		Carbon 22 Kohms ±10% ¼W	2
R183, 283		Carbon 47 Kohms ±10% ¼W	2
R175, 275		Carbon 56 Kohms ±10% ¼W	2
R181, 281		Carbon 82 Kohms ±10% ¼W	2
R173, 273		Carbon 100 Kohms ±10% ¼W	2
R171, 177 271, 277		Carbon 470 Kohms ±10% ¼W	4
		(CHASSIS SECTION)	
R305, 306		Carbon 100 Kohms ±10% ¼W	2
R301, 302		Carbon 4.7 ohms ±10% ¼W	2
R307, 308		Carbon 330 Kohms ±10% ¼W	2
R309, 310		Carbon 330 Kohms ±10% ¼W	2

Ref. No.	Part No.	Description	Q'ty
RESISTORS			
R303, 304		Wire wind 100 ohms ±10% ½W	2
CAPACITORS			
		(TUNER SECTION)	
C6, 13		Ceramic 15 pF ±10% 50V	2
C4, 7, 14 23, 25, 33		Ceramic 0.04 μF +100 −0% 50V	6
C5		Ceramic 0.005 μF ±10% 50V	1
C2, 8		Ceramic 5 pF ±10% 50V	2
C9		Ceramic 30pF ±10% 50V	1
C10		Ceramic 500pF ±10% 50V	1
C11		Ceramic 0.001 μF +100 −0% 50V	1
C12		Ceramic 3pF ±0.25pF 50V	1
C14		Ceramic 0.02 μF +100 −0% 50V	1
C21		Ceramic 22 pF ±10% 50V	1
C29		Ceramic 100 pF ±10% 50V	1
C1, 24		Ceramic 10 pF ±10% 50V	2
C22		Styrol 350 pF ±5% 50V	1
C16		Mylar 0.0047 μF ±20% 50V	1
C18		Mylar 0.01 μF ±20% 50V	1
C30		Mylar 0.02 μF ±20% 50V	1
C3	R-C9565	Electrolytic 5 μF 6V	1
C26, 27	R-C9765	Electrolytic 220 μF 16V	2
		(IF SECTION)	
C801		Ceramic 10 pF ±10% 50V	1
C802, 815 820		Ceramic 0.02 μF +100% −0% 50V	3
C814, 807		Ceramic 0.04 μF +100 −0% 50V	2
C816		Ceramic 40 pF ±10% 50V	1
C818, 819		Ceramic 200 pF ±10% 50V	2
C804, 808		Ceramic 0.02 μF ±20% 25V	2
C811, 812		Mylar 0.01 μF ±20% 50V	2
C803, 806		Mylar 0.001 μF ±20% 50V	2
C813		Mylar 0.02 μF ±20% 50V	1
C805, 809		Styrol 200 pF ±5% 50V	2
C817	R-C9565	Electrolytic 5 μF 6V	1
C810		Electrolytic 4.7 μF 6.3V	1
		(AMP SECTION)	
C112, 212		Mylar 500 pF ±10% 25WV	2
C118, 218	R-C9767	Electrolytic 470 μF 25V	2
C101	R-C9750	Electrolytic 330 μF 16V	1
C102, 203	R-C9753	Electrolytic 330 μF 25V	2
C117, 217	R-C9752	Electrolytic 220 μF 10V	2
C116, 216	R-C9754	Electrolytic 47 μF 10V	2
C113, 213	R-C9717	Electrolytic 100 F 6.3V	2
C111, 211 114, 214 115, 215	R-C9755	Electrolytic 1 μF 25V	6
		(MPX SECTION)	
C601		Styrol 500 pF ±10% 125WV	1
C605, 607 608, 610		Styrol 2000 pF ±5% 125WV	4
C604		Mylar 0.0075 μF ±20% 25WV	1
C617, 618		Mylar 0.001 μF ±20% 25WV	2
C613		Mylar 0.0068 μF ±20% 25WV	1
C614, 615		Mylar 500 pF ±20% 25WV	2
C619		Ceramic 0.04 μF +100 −0% 25WV	1
C612, 616	R-C9752	Electrolytic 220 μF 10V	2
C601, 602	R-C9755	Electrolytic 1 μF 25V	2
C609	R-C9060	Electrolytic 10 μF 10V	1
C611	R-C9145	Electrolytic 100 μF 10V	1
C620, 621	R-C9565	Electrolytic 1 μF 10V	2
C606	R-C9766	Electrolytic 1 μF 10V	1
		(CASSETTE SECTION)	
C427, 527		Styrol 850 pF ±10%	2
C420, 520		Mylar 0.02 μF ±5% 35Vover	2
C414, 413 514, 513		Mylar 500 pF ±20% 35Vover	4
C433, 533		Mylar 0.001 μF ±20% 35Vover	2
C426, 526		Mylar 0.0033 μF ±20% 35Vover	2

PARTS LIST

Ref. No.	Part No.	Description	Q'ty
CAPACITORS			
C428, 431		Mylar 0.01 μF ±20% 35Vover	6
432, 528			
531, 532			
C421, 521		Mylar 0.04 μF ±20% 35Vover	2
C419, 519		Mylar 0.068 μF ±20% 35Vover	2
C415, 424		Ceramic 100 pF ±10% 35Vover	4
515, 524			
C401	R-C9749	Electrolytic 220 μF 25V	1
C402, 403	R-C9751	Electrolytic 100 μF 25V	3
404			
C406	R-C9752	Electrolytic 220 μF 10V	1
C423, 523	R-C9145	Electrolytic 100 μF 10V	2
C416, 516	R-C9081	Electrolytic 50 μF 10V	2
C417, 418	R-C9060	Electrolytic 10 μF 10V	4
517, 518			
C422, 522	R-C9060	Electrolytic 10 μF 10V	2
C425, 429	R-C9565	Electrolytic 1 μF 10V	4
525, 529			
C430, 530	R-C9565	Electrolytic 1 μF 10V	2
C411, 511	R-C9098	Electrolytic 5 μF 6V	2
C412, 512	R-C9080	Electrolytic 30 μF 3V	2
		(OSC SECTION)	
C451, 452		Mylar 0.01 μF ±20% 35Vover	2
C453		Mylar 0.0033 μF ±20% 35Vover	1
C454, 455		Styrol 1000 pF ±10% 35Vover	2
C405	R-C9751	Electrolytic 100 μF 25V	1
		(POWER SUPPLY SECTION)	
C702, 703		Ceramic 0.01 μF ±20% 500V	2
C701, 706	R-C9758	Electrolytic 220 μF 16V	2
C705	R-C9759	Electrolytic 330 μF 16V	1
C704	R-C9760	Electrolytic 470 μF 25V	1
		(CONTROL SECTION)	
C151, 251		Mylar 0.0047 μF ±10% 50WV	2
C154, 254		Mylar 0.04 μF ±10% 50WV	2
C152, 252		Mylar 0.047 μF ±10% 50WV	2
C153, 253		Mylar 0.2 μF ±10% 50WV	2
		(MIC. SWITCH SECTION)	
C172, 272		Mylar 0.003 μF ±20% 25WV	2
C174, 274	R-C9710	Electrolytic 0.1 μF 10V	2
C171, 271	R-C9566	Electroytic 0.22 μF 10V	2
C173, 273	R-C9080	Electroytic 30 μF 3V	2
		(CHASSIS SCETION)	
C301, 302		Mylar 0.001 ±20% 25-50W	2
C303, 304		Styrol 460 pF ± 5% 50WV	2
C305, 306		Styrol 100 pF ±10% 50WV	2
C308		Ceramic 0.04 μF +100 −0% 50WV	1
C305		Electrolytic 2200 μF 35WV	1
C306, 307	R-C9761	Electrolytic 1 μF 35WV	2
SCREW, NUT & WASHER			
		Pan head screw (4×14) Cover-Fix metal	4
		Spring washer (4φ) Cover-Fix metal	4
		Hexagon nut (1) (M4) Cover-Fix metal	4
		Pan head wood screw (41×16) Cabinet-Fix metal	4
		Pan head wood screw (3.1×13) Bottom cover-Cabinet	8
		Pan head screw (3×10) Bottom cover-Base	4
		Round head screw washer (3.3φ×6φ×0.5t) Bottom cover-Base	4
		Bolt nut washer (3.3φ×8φ×1.0t) Bottom cover-Base	4
		Hexagon nut (1) (M3) Bottom cover-Base	4
		Pan head tapping screw (2) (3×16) Fix plastic board-Panel	3
		Pan head wood screw (3×20) Speaker	6

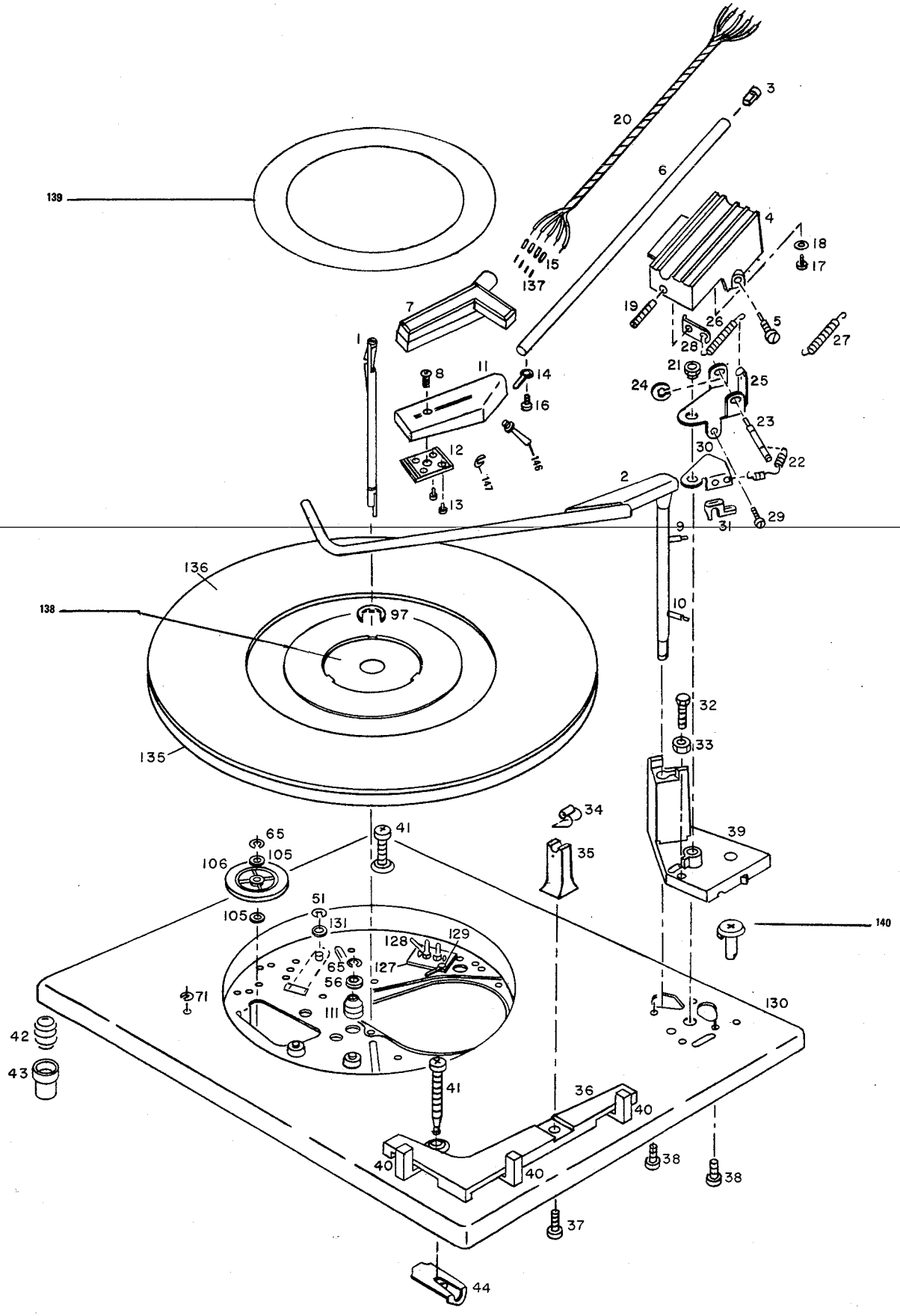
Ref. No.	Part No.	Description	Q'ty
SCREW, NUT & WASHER			
		Bolt nut washer (3.3φ×10φ×1.0t) Speaker	6
		Hexagon nut (1) (M3) Speaker	6
		Lug (R-12011) Speaker lead	2
		Tube (4φ×20) Speaker lead	2
		Pan head wood screw (3.1×16) Bottom cover	12
		Spring nut (3φ) Fix plastic board	2
		Pan head tapping screw (2) (3×6) Head phone	2
		Pan head tapping screw (2) (3×6) Power switch	2
		Pan head tappimg screw (2) (3×8) Chassis-Panel	6
		Pan head tapping screw (2) (3×8) Chassis-Panel	3
		Pan head tapping screw (2) (3×10) Cabinet-Panel	8
		Pan head tapping screw (2) (3×10) Mechanism-Panel	4
		Pan head tapping screw (2) (3×20) Chassis-Cabinet	3
		Pan head tapping screw (2) (3×10) Chassis-Cabinet	3
		Oval countersunk head screw (1) (3×25) Chassis-Cabinet	4
		Bolt nut washer (3.3φ×8φ×0.5t) Fix metal-Cabinet	2
		Pan heab tapping screw (2) (3×6) Reflection plate-Panel	2
		Pan head tapping screw (2) (3×6) Chassis	21
		Pan heab tapping screw (2) (3×6) Chassis-Fix metal	1
		Hexagon nut (1) (M8×3H) Tuning shaft	1
		Hexagon nut (1) (M3) Pulley shaft	2
		Pan head screw (2) (3×8) Select switch	2
		Pan head screw (3×10) Transistor	10
		Hexagon nut (1) (M3) Transistor	10
		Pan head screw (3×10) Terminal	6
		Hexagon nut (M3) Terminal	6
		Pan head screw (4×6) Trans.	4
		Pan head tapping screw (2) (3×8) PHONO Mic terminal	2
		Pan head tapping screw (2) (3×8) Electrolytic capacitor	2
		Pan head screw (3×10) Electrolytic capacitor	1
		Hexagon nut (1) (M3) Electrolytic capacitor	1
		Pan head tapping screw(2) (3×8) Antenna coil	2
		Pan head tapping screw (2) (3×8) Terminal	1
		Pan head tapping screw (2) (3×8) Printed cirucit board	16
		Pan head screw (2.6×10) Drum	1
		Spring washer (3φ) Drum	1
		Pan head screw (2.6×4) Variable capacitor	2
		Spring washer (3φ) Pulley shaft	1
		Pan head tapping screw (2) (2.6×6) Fuse-Printed circuit board	1
		Pan head tapping screw (2) (3×8) Fuse-Fix metal	1

PARTS LIST

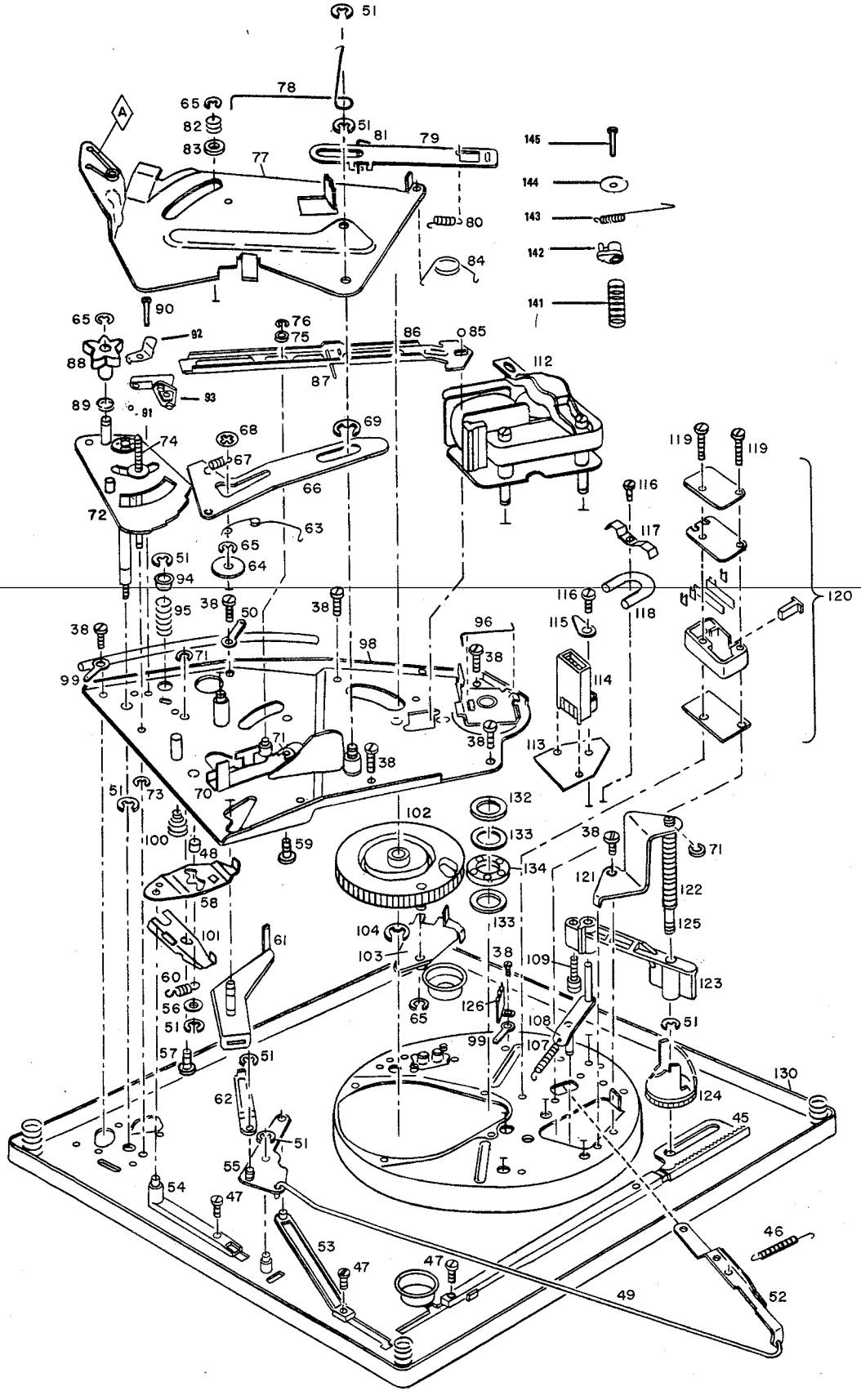
Ref. No.	Part No.	Description	Q'ty
SCREW, NUT & WASHER			
		Pan head screw (2.6 ×4) Shield plate	3
		Pan head screw (2.6 ×6) Shield plate	1
AUTO-CHANGER			
1	A107043	Centre Spindle Assembly	1
2	B108372	Control Arm Assembly	1
3	A108356	Tube End.	1
4	A107156	P.U.Body Sub. Assembly	1
5	A106652	Screw (P. U. Pivot)	1
6	B106660	Pick-Up Tube.	1
7		Design Head.	1
8	A106573	6B.A. ×3/16" C'SK Phps Hd Screw.	1
9	A107348	Control Pin.	1
10	A108066	Cut off Peg.	1
11	B106776	Pick-up Head.	1
12	A106775	Adaptor Plate.	1
13	A106506	Screw Type, Z No. 2 ×1/8" Pan Hd.	2
14	A103587	Solder Tag.	1
15	A104306	Sleeve	4
16	A107654	Screw Type, 125,4-24 ×1/4" Pan Hd. Phps Rec.	1
17	A107509	Screw Type,125,4-24 ×5/16" Pan Hd. Phps Rec.	1
18	A106504	6B.A.External Lockwasher.	1
19	A106711	Balance Ajdusting Screw.	1
20	A106745	23", Quin. P. U. Lead.	1
21	A105624	P. U. Spindle Nut.	1
22	A108382	Spring (Hinge Retainer).	1
23	A108381	Pick-up Pivot.	1
24	A106205	Circlip.	1
25	A108833	Pick-up Hinge Assembly with T.A. Restrictor	1
26	A103790	P.U. Balance Spring. (Use with item #7)	1
27	A105669	P.U. Balance Spring.	1
28	A106657	Balance Adjusting Plate.	1
29	A106917	6B.A. ×3/8" Ch. Hd. Screw.	1
30	A106654	Pick-up Adjuster.	1
31	A106047	Locking Sleeve.	1
32	A105712	Adjusting Screw.	1
33	A105907	Nut.	1
34	A107185	P.U. Arm Clip Assembly	1
35	A107459	Pick-up Rest.	1
36	C107460	Control Cover.	1
37	A106507	Screw Type, B. T., 6-20 ×3/4" Pan Hd.	1
38	A106510	Screw Type B. No. 6 ×1/4" Pan Hd.	1
39	C106138	Control Housing.	1
40	B106122	Knob.	1
41	A104189	Transit Screw.	1
42	A106090	Spring (Unit Mounting).	1
43	A106089	Spring Cup.	1
44	A102166	Retaining Clip.	1
45	B108113	Speed Change Slide Assembly	1
46	A105826	Spring (Switch Lever).	1
47	A105267	Screw Type, B.T., 4-24 ×5/16" Pan Hd.	1
48	A108461	Roller.	1
49	B106405	Switch Link.	1
50	A102126	Solder Tag.	1
51	A102109	Circlip.	1
52	A106129	Solder Tag.	1
53	B106119	Reject Slide.	1
54	B106143	Selector Slide.	1
55	A106193	Reject Plate Assembly	1
56	A101646	Washer.	1
57	A108064	Slide pin.	1
58	A108033	Detent Plate.	1
59	A108062	Selector Pivot.	1
60	A108075	Spring (Detent Plate).	1
61	A108283	Reject Lever Ass'y.	1
62	A106134	Reject Link.	1
63	A106627	Spring (Detent).	1
64	A105660	Control Washer.	1
65	A100762	Circlip.	1
66	B105592	Cut-off Lever.	1
67	A102623	Spring (Cut-off Lever).	1
68	A102251	Retainer.	1
69	A101526	Circlip.	1
70	B108036	Selector Lever.	1

Ref. No.	Part No.	Description	Q'ty
AUTO-CHANGER			
71	A102128	Circlip.	1
72	B108085	Quadrant Assembly.	1
73	A108334	Circlip.	1
74	A106697	P.U. Raising Spindle Assembly.	1
75	A106966	Washer.	1
76	A104077	Circlip.	1
77	B108168	Operating Plate Assembly.	1
78	A108078	Spring (Selector Drive).	1
79	B105597	Feed Lever Link.	1
80	A105827	Spring (Link Return).	1
81	A106968	Spring (Feed Lever Link).	1
82	A108077	Spring.	1
83	A103290	Washer.	1
84	A106980	Spring (Operating Plate).	1
85	A107419	9/64" Dia. Ball Bearing.	1
86	B106962	Actuating Slide.	1
87	A105901	Spring (Actuating Slide).	1
88	B108073	Toggle Wheel.	1
89	A108654	Spring Clip.	1
90	A106512	Screw Type, 25-4-24 ×5/8" B. Hd.	1
91	A107154	3/32" Dia. Ball Bearing.	1
92	A107004	Support Spring.	1
93	A106965	Support Bracket.	1
94	A104861	Spacer.	1
95	A105985	Spring (Control Spindle).	1
96	A104882	Retaining Clip.	1
97	A105678	Circlip.	1
98	A108521	Main Sub Plate Riv. Assembly.	1
99	A102126	Solder Tag.	1
100	A108083	Cut-off Slide Spring.	1
101	A108034	Cut-off Slide.	1
102	A102133	Cam Gear Riv. Assembly.	1
103	A106819	Actuating Pawl Assembly.	1
104	A102110	Circlip.	1
105	A101620	J.P. Spindle Washer.	1
106	A101623	Jockey Pulley Assembly.	1
107	A105824	Spring (Jockey Pulley)	1
108	A105965	Jockey Arm Riv. Assembly.	1
109	A105619	Adjusting Screw.	1
110	A108401	7"—3M.M.P.V.C. Sleeving.	1
111	A102181	Rubber Mounting	3
112		Two Pole Motor Assembly.	1
113	A104865	Insulating Strip.	1
114	A103096	AMP Plug Housing.	1
115	A106749	4B.A. Tag Lockwasher.	1
116	A105263	Screw Type, B.T., 6-20 ×3/8" Pan Hd.	1
117	A102718	Cable Clamp.	1
118	A106513	3" 5M.M.P.V.C	1
119	A106512	Screw Type, B.T. 4-24 ×5/8" Pan Hd.	1
120	B106016	Switch Assembly.	1
121	A106034	Speed Change Bracket.	1
122	A105831	Spring (Raising Spindle).	1
123	A106068	Speed Change Arm Assembly.	1
124	B106113	Raising Cam.	1
125	A108589	Raising Spindle.	1
126	A106206	Tag Mounting Strip.	1
127	A102616	Phono Socket.	1
128	A102352	Solder Tag	2
129	A102588	Eyelet	2
130	B106190	Mainplate Sub. Assembly.	1
131	A102595	Washer.	1
132	A102058	Damping Washer.	1
133	A101506	Thrust Washer.	1
134	A101649	Ballrace.	1
135	C107232	Turntable Assembly.	1
136	C107071	Turntable Mat.	1
137	A102720	Tag	4
	PS899	45 RPM Adaptor	1
138	B108123	Centre Disc.	1
139	B107068	Turntable Trim.	1
140	B107464	Anti Skate control.	1
141	A106813	Spring (Anti-Skate control)	1
142	B106815	Spring Anchor	1
143	A106812	Spring (Anti-Skate)	1
144	A106816	Washer	1
145	A107863	Screw Type 25.4—24 ×9/16" Pan. Hd.	1
146	A104964	Fingh Lift	1
147	A102128	Circlip	1
148	B106661	Escutcheon	1
	R-S0832	Cartridge	1

EXPLODED VIEW (AUTO CHANGER)



EXPLODED VIEW (AUTO CHANGER)



LUBRICATION

The mechanism has been thoroughly lubricated at the factory and under normal use should not require additional lubrication for at least one year. However, after prolonged use, it may be necessary to lubricate parts as specified.

Use a medium grade grease only on these parts:

1. Speed change arm (123)
2. Idler pulley arm (108)
3. Bearing surfaces of operating plate (77)
4. Gear teeth, bearing and cam track on cam gear (102)
5. Ball race (134)

Use a light machine oil on these parts:

1. Tone arm raising spindle (74)
2. Idler pulley spindle on pulley arm (108)
3. Upper and lower bearings of motor (112)

NOTE: Oil or grease should never be applied to or allowed to collect on the rubber tire of the idler pulley (106), the inside surface of the driving rim of turntable (135) or on the motor pulley.

TROUBLE CHART

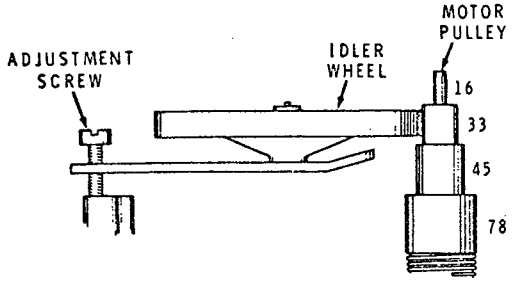
Symptom	Cause	Remedy
Turntable does not revolve when the control knob is moved to the auto position.	1. No current to motor (112).	1. Make sure that current is reaching the AC leads. Check switch (120) and AMP lock (114). Replace if necessary.
	2. Defective motor (112).	2. Remove turntable (135) and check motor (112). Repair or replace motor (112).
	3. Idler pully (106) not engaging driving rim of turntable (135).	3. Connect or replace spring (107). Check that idler arm (108) pivots freely.
	4. Idler pulley (106) not driving.	4. Clean idler pulley (106) and driving rim of turntable (135) to ensure that driving surfaces are free from oil and dirt.
Turntable (135) revolves when the control knob is moved to the auto position but the tone arm does not leave rest (35).	1. Tone arm not adjusted for correct height.	1. Adjust screw (32) as described under "ADJUSTMENTS".
	2. Spring (87) of actuating slide (86) bent or missing.	2. Adjust or replace.
Turntable stops or slows down in middle of change cycle.	1. Idler pulley (106) slips.	1. Clean inside of driving rim of turntable (135) and rubber tire of idler pulley (106) to remove any oil or dirt.
		2. Check tension of spring (107) and replace if necessary.
Turntable speed too slow.	1. Tight motor (112) bearings.	1. Lightly tap side of motor (112) laminations to free self-aligning bearings. Lubricate bearings.
	2. Binding turntable bearing.	2. If turntable (135) does not turn freely when idler pulley (106) is disengaged remove turntable (135) and clean turntable bearing. Lubricate bearing with light machine oil.
	3. Idler pulley (106) slips.	3. Idler arm (108) must pivot freely in speed change arm (123). Check tension of spring (107). Replace spring (107) if necessary.
	4. AC line voltage too low.	4. Line voltage should not be less than 100V.
	5. Operating temperature too low.	5. Prolonged exposure to temperature below 45°F, will cause slow initial speed.
Record fails to drop when changer cycles.	1. Spindle (1) not fully inserted in center of turntable (135).	1. Make certain spindle (1) is fully engaged and locked in place.
	2. Bent record feed lever in spindle (1).	2. Replace spindle (1).
	3. Spring (80) missing or detached from link feed lever (79).	3. Replace or reposition.
	4. Spring (81) missing from link feed lever (79).	4. Replace

Symptom	Cause	Remedy
Tone arm strikes under side of record on ledge of spindle (1), or stylus catches on top of last record while moving into playing position.	1. Incorrect tone arm height adjustment.	1. Adjust screw (32) as described under "ADJUSTMENTS".
Tone arm does not correctly locate on record.	1. Tone arm set-down not adjusted correctly.	1. Adust screw (29) as described under "ADJUSTMENTS"
Tone arm does not track correctly across record.	1. Stylus may be clogged with an accumulation of dust, or stylus may be chipped or worn.	1. Clean foreign material from around stylus. Replace stylus if badly worn or broken.
	2. Tone arm leads too tight.	2. Give tone arm leads enough slack to allow tone arm to move freely across record.
	3. Changer not level.	3. See that changer is level before operating.
	4. Insufficient stylus pressure.	4. Adjust stylus pressure as described under "ADJUSTMENTS."
	5. Record with worn or damaged grooves.	5. Replace record.
	Laterial friction caused by:	
	6. Excessive tension on leaf spring (92).	6. Bend leaf spring out slightly to release tension.
	7. Weak leaf spring (92).	7. Bend leaf spring inwards.
	8. Actuating pawl assembly sticking.	8. Release or replace actuating pawl (103).
Unit will not re-cycle at end of record.	1. Tripping pawls assembly (103) binding.	1. Check for friction and free movement.
	2. Needle set-down inside music groove.	2. Adjust needle to set-down at center of lead-in groove.
Two records drop together.	1. Hole in record too large.	1. Replace record
	2. Control arm (2) not fully down possibly due to incorrectly loaded records.	2. Carefully clean shaft of control arm (2) and remove burrs, if any. Do not oil shaft. Control arm (2) should fall in position of its own weight.
	3. Control arm (2) not holding records levels.	3. Gently twist control arm (2) until it will hold record stack parallel to the top surface of turntable (135).
Changer fails to shut off after last record has played and tone arm has returned to rest.	1. Switch (120) fouled by AC leads.	1. Move leads clear of switch (120).
	2. Faulty switch (120)	2. Replace switch (120).
Noise during playing of records.	1. Motor rumble.	1. Motor (112) must float freely on mounting grommets (111). Replace grommets (111) if necessary. Motor leads must be positioned to allow free movement of motor (112).
	2. Turntable (135) bearings and ball race (134).	2. Clean and lubricate bearings. Replace ball race (134) if necessary. Use light machine oil on bearing of turntable (135) and medium grade grease on ball race (134).
	3. Defective idler pulley (106).	3. Replace idler pulley (106).

ADJUSTMENTS

Idler Pulley

Disconnect changer from AC source and remove turntable (135). Set speed selector knob on 33 and control knob to start so idler pulley (106) rests against the 33 rpm step on the motor pulley. Using a screwdriver, turn adjustment screw (109) until idler pulley (106) is centered on the 33 rpm step of motor pulley. Check the alignment of idler pulley (106) at all speeds and readjust if necessary. Move control knob to stop and replace turntable (135) taking care not to damage idler pulley (106).



Tone Arm Height

To raise, hold plastic nut (33) firmly and turn screw head (32) by hand counterclockwise: to lower, turn screw head (32) clockwise. Adjust stylus to clear a full stack of records by 1/8".

Stylus Set-down

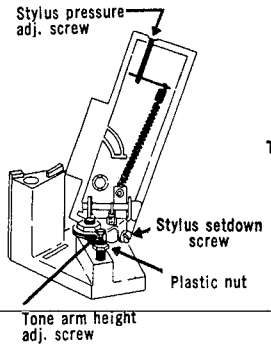
The set-down position of the stylus on the record is adjusted by means of the stylus adjusting screw (29). This screw is adjusted to obtain correct set-down for a 12" record. It should be adjusted so the stylus will set-down 1/8" from the outside edge of the record. This adjustment should be made with a 12" record on the turntable. When the stylus set-down is adjusted correctly for 12" record, it will automatically be correct for 7" and 10" records.

Stylus Pressure

Turn stylus pressure adjusting screw (19) clockwise to reduce stylus pressure: counterclockwise to increase pressure.

Easy to Adjust (See Illustration)

This changer has been accurately pre-adjusted for correct stylus set-down, stylus pressure and tone arm height. If new adjustments should ever be needed, make them with a 12" record: then position will be correct for all sizes.



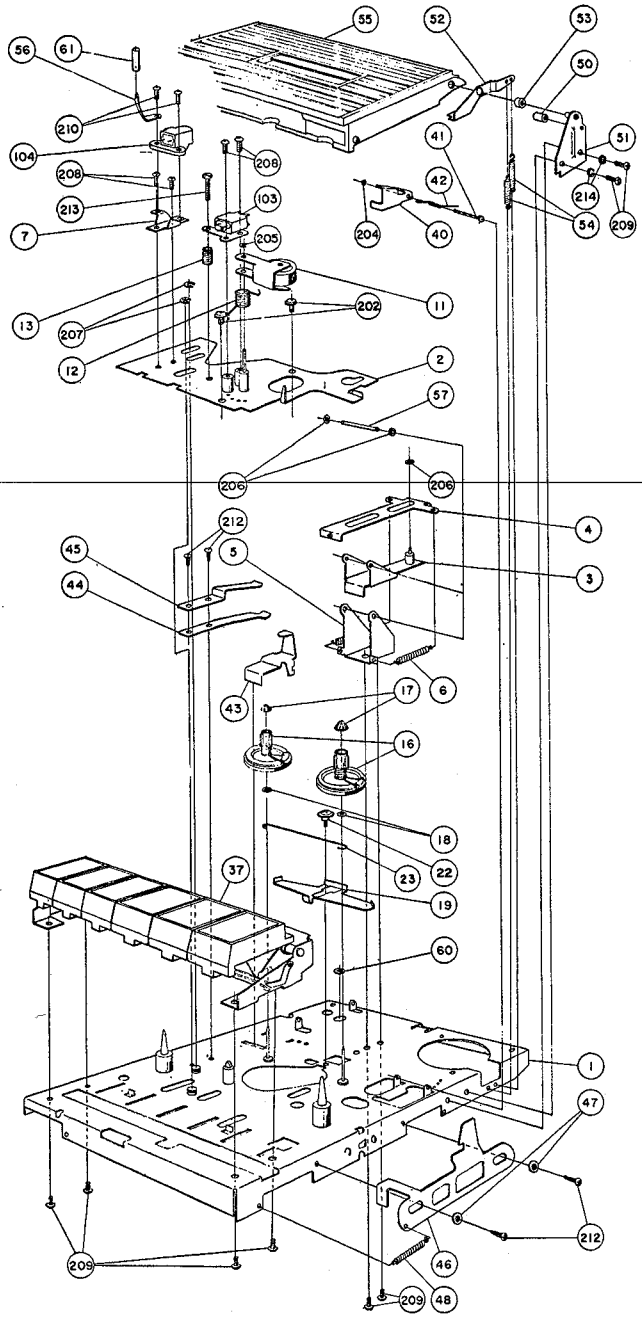
TUBULAR TYPE ARM

PARTS LIST

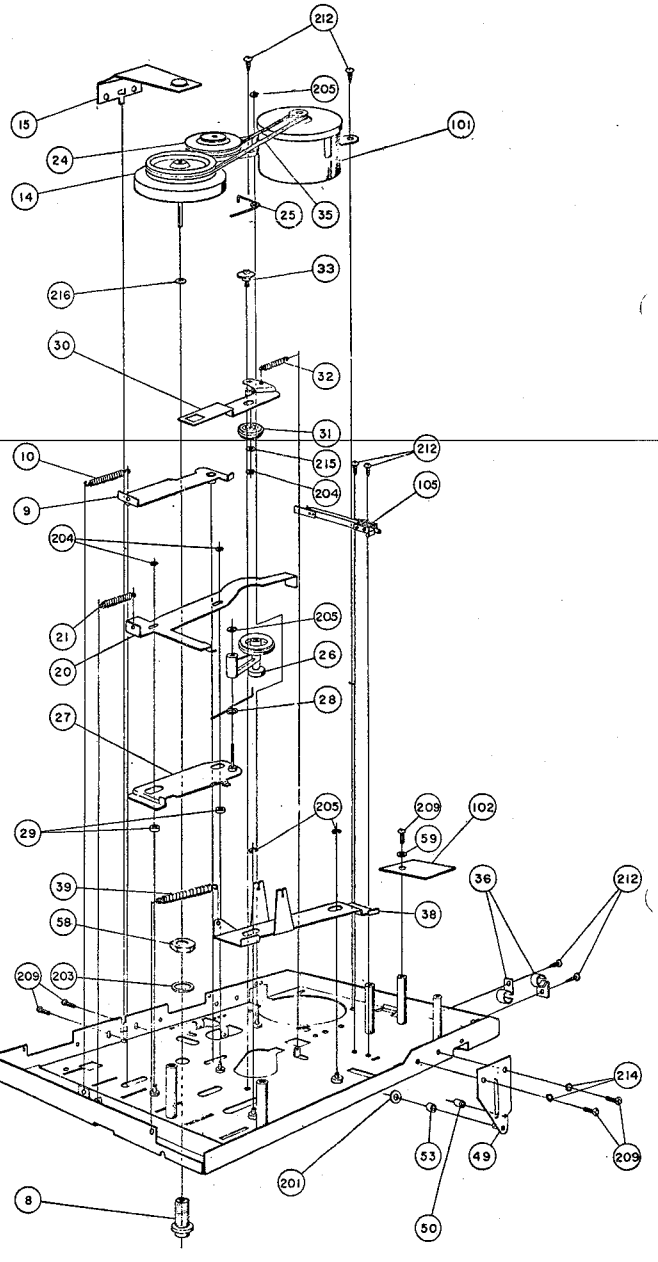
Ref. No.	Part No.	Description	Q'ty
MECHANISM			
1	141 0 3119 014 00	Chassis Assembly	1
2	141 0 7319 023 00	Slide Base Assembly	1
3	141 0 7319 016 00	Pushout Sub Plate Assembly	1
4	141 2 7319 021 00	Cassette Pushout Plate	1
5	141 2 5739 002 00	Support, Cassette Pushout Plate	1
6	141 2 8519 096 00	Spring, Cassette Pushout Plate	2
7	141 2 3769 007 00	Spacer Head	1
8	141 0 5729 002 00	Capstan Bush Assembly	1
9	141 0 7319 022 00	Slide Base Arm Assembly	1
10	141 2 8519 096 00	Spring, Slide Base	1
11	141 0 5419 001 00	Pinch Roller Assembly	1
12	141 2 8519 015 00	Spring, Pinch Roller	1
13	141 2 8519 045 00	Spring, Adjusting Head	1
14	141 2 5219 001 00	Elywheel and Capstan	1
15	141 0 3519 008 00	Flywheel Support Assembly	1
16	141 0 5319 001 00	Reel Plate Assembly	2
17	141 2 5369 004 00	Cap, Reel plate	2
18	141 2 4539 002 00	Washer, Spindle	2
19	141 2 7139 002 00	Brake Plate	1
20	141 2 7319 009 00	Slide Arm Power Switch	1
21	141 2 8519 012 00	Spring, Slide Arm Power Switch	1
22	141 2 4219 037 00	Screw, Brake Plate	1
23	141 2 8529 003 00	Spring, Brake	1
24	141 0 5519 001 00	Take Up Pulley Assembly	1
25	141 2 8519 013 00	Spring, Take Up Pulley	1
26	141 0 5519 002 00	Idler Assembly	1
27	141 0 7319 003 00	Idler Base Assembly	1
28	141 2 8519 017 00	Spring, Idler	1
29	141 2 8259 004 00	Roller, Idler Base	2
30	141 0 7319 004 00	Rewind Roller Arm Assembly	1
31	141 0 5519 007 00	Rewind Roller Assembly	1
32	141 2 8519 018 00	Spring, Rewind Roller	1
34	141 2 4219 038 00	Rewind Screw, Roller Arm	1
35	141 2 5649 002 01	Square Driving Belt	1
36	141 2 3689 002 00	Bracket,Transistor	1
37	R-A7716	Select Button Assembly	1
38	141 2 8429 007 00	Record and Play Switch Lever	1
39	141 2 8519 063 00	Spring, Record and Play Switch Lever	1
40	141 2 7439 001 00	Slide Base Stopper	1
41	141 2 7529 052 00	Shaft, Slide Base Stopper	1

Ref.No.	Part No.	Description	Q'ty
MECHANISM			
42	141 2 8519 062 00	Spring, Slide Base Stopper	1
43	141 2 8419 006 00	Interlock Lever	1
44	141 2 8539 017 00	Spring, Interlock Lever	1
46	141 2 7319 037 00	Cassette Case Lock	1
47	141 2 3529 009 00	Spacer, Cassette Case Lock	2
48	141 2 8519 064 00	Spring, Cassette Case Lock	1
49	141 0 7439 003 00	Cassette Case Holder R Assembly	1
50	141 2 4459 035 00	Cushion, Cassette Case	2
51	141 0 7439 004 00	Cassette Case Holder L Assembmy	1
52	141 2 7419 033 00	Cassette Case Lever L	1
53	141 2 3529 018 00	Spacer, Cassette Case	2
54	141 2 8519 067 00	Spring, Cassette Case Lever B	2
55	141 0 1149 002 00	Cassette Case Assembly	1
56	141 2 4729 002 00	Lug	1
58	141 2 4179 001 00	Nut	1
59	141 2 4579 009 00	Washer, Fiber	1
60	141 2 4539 023 00	Washer, Insulator	1
	141 2 3689 011 00	Bracket: Transistor	1
	141 2 3659 002 00	Bracket, Push Switch	1
101	4 5279 701 50	Motor	1
103	R-S0814	Record and Play Head	1
104	R-S0815	Erase Head	1
105	4 2319 703 60	Power Switch	1
	4 2649 700 [redacted]	Plunger	1
SCREW & WASHER			
201		Washer, M4	1
203		Washer, 8ϕ×14ϕ×0.5t	1
204		C Clamp, 1.5ϕ	4
205		C Clamp, 2ϕ	5
206		C Clamp, 2.5ϕ	3
207		C Clamp, 3ϕ	2
208		Screw, Pan Head +M2×4	6
209		Screw, Pan Head +M2.6×5	17
210		Screw, Bind Head +M2×5	2
212		Screw, Pan Head Tapping +M2.6×6	8
213		Screw, Cylinder Head −M2×12	1
214		Spring Washer, M2.6	4
215		Washer, 2ϕ×4ϕ×0.2t	1
216		Washer, 2ϕ×7ϕ×0.3t	1

EXPLODED VIEW (CASSETTE MECHANISM)

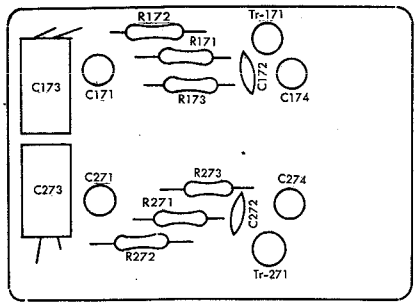


TOP VIEW

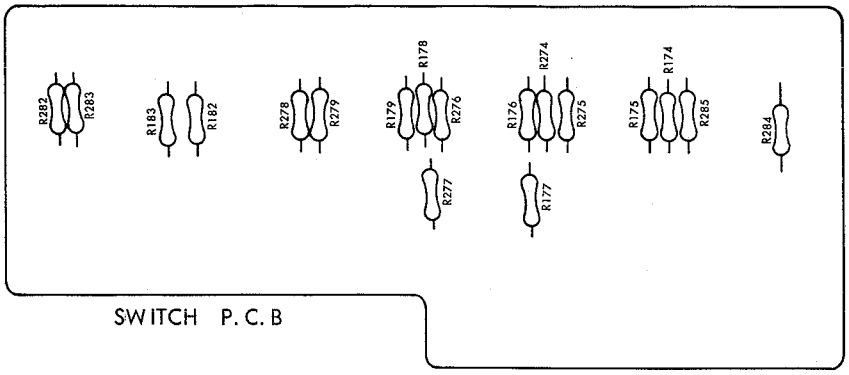


BOTTOM VIEW

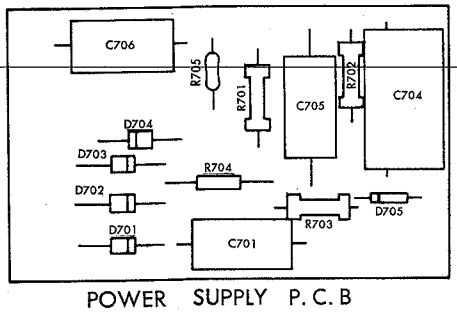
PARTS LOCATION



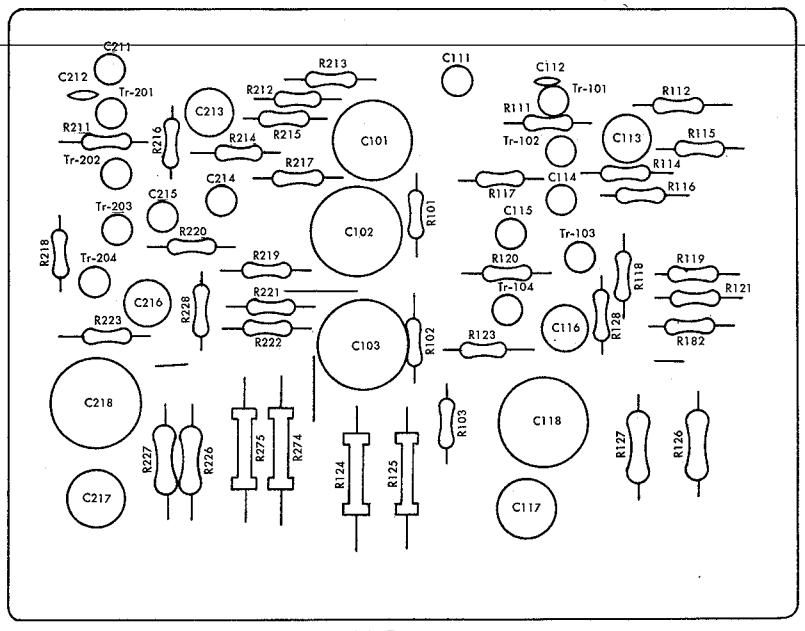
MIC P. C. B



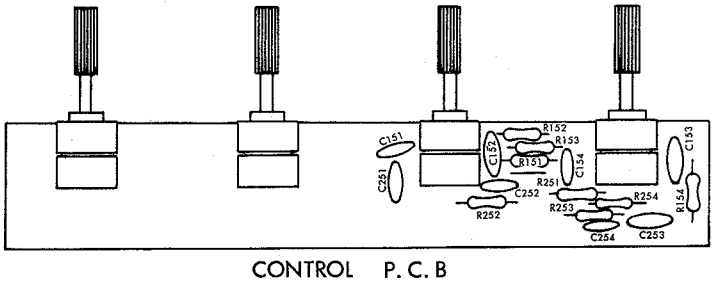
SWITCH P. C. B



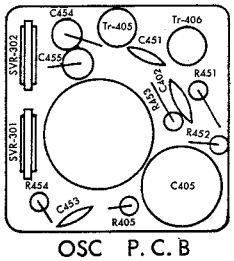
POWER SUPPLY P. C. B



AMP P. C. B

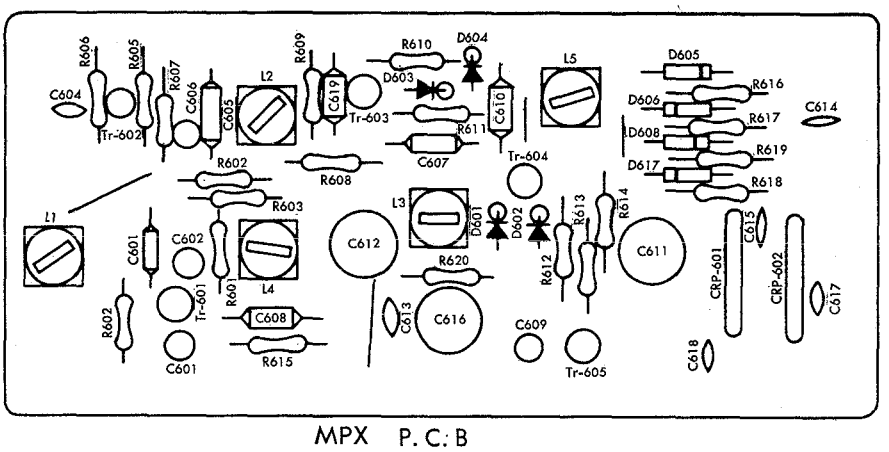


CONTROL P. C. B

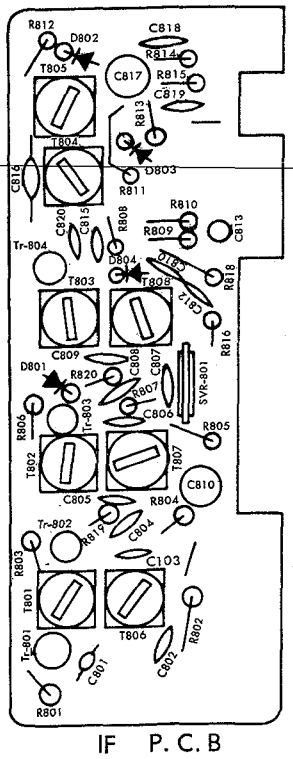


OSC P. C. B

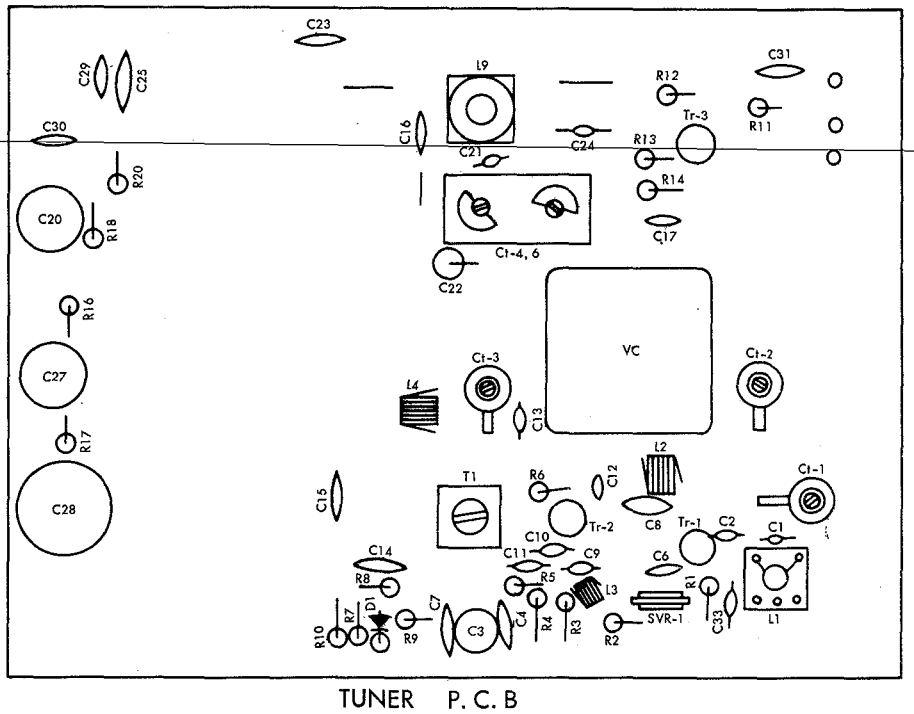
PARTS LOCATION



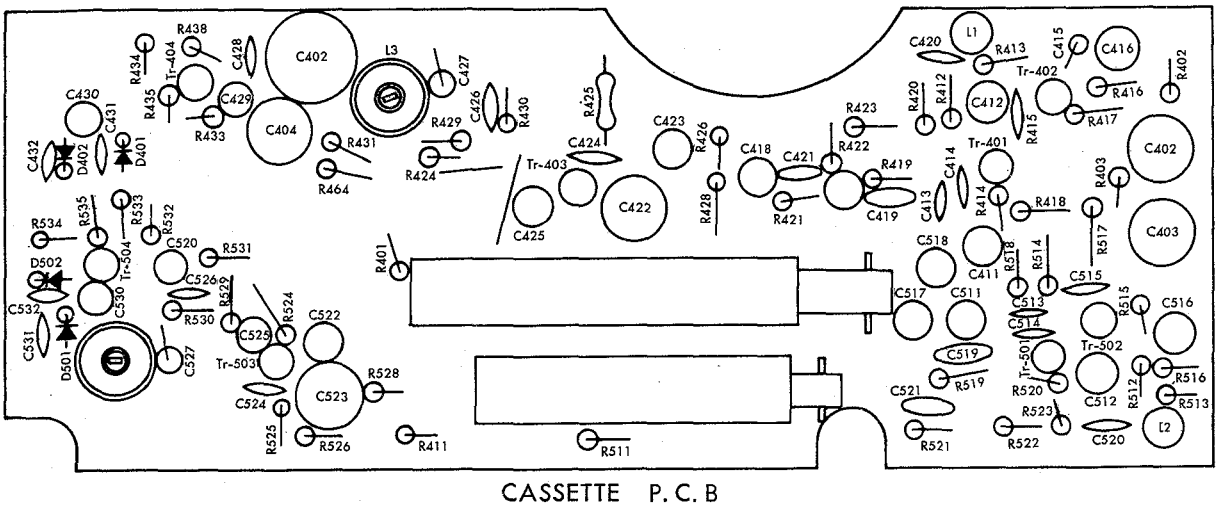
MPX P. C. B



IF P. C. B



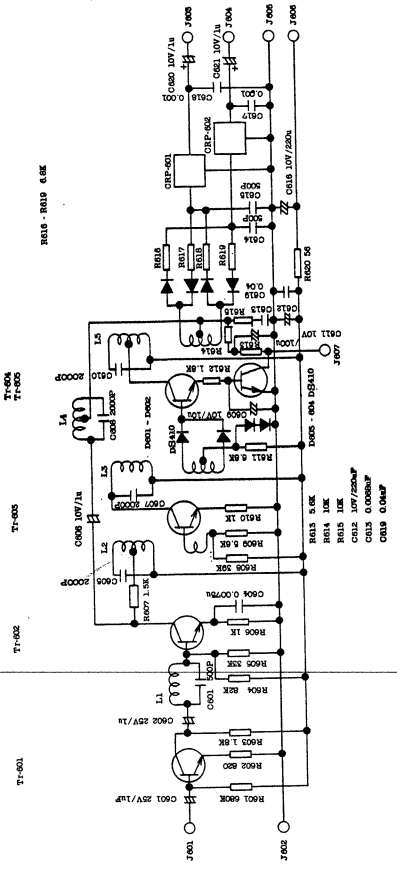
TUNER P. C. B



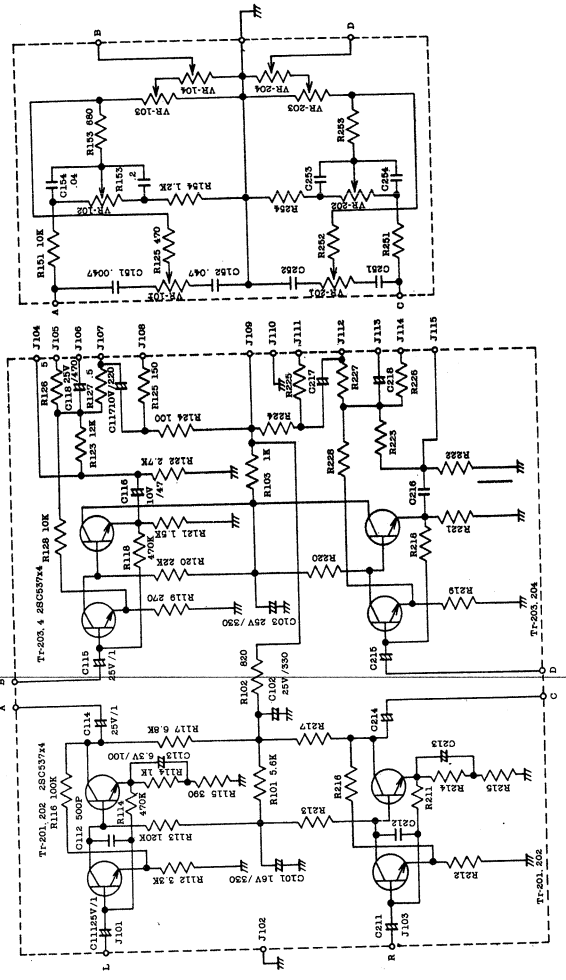
CASSETTE P. C. B

SCHEMATIC DIAGRAM

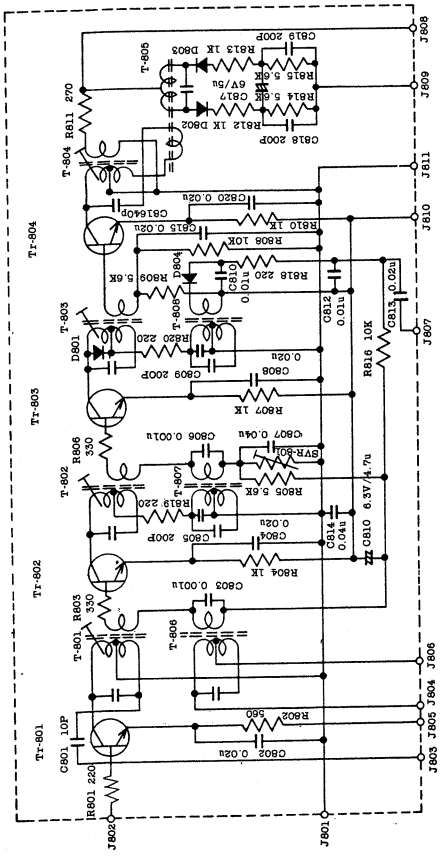
MPX-200



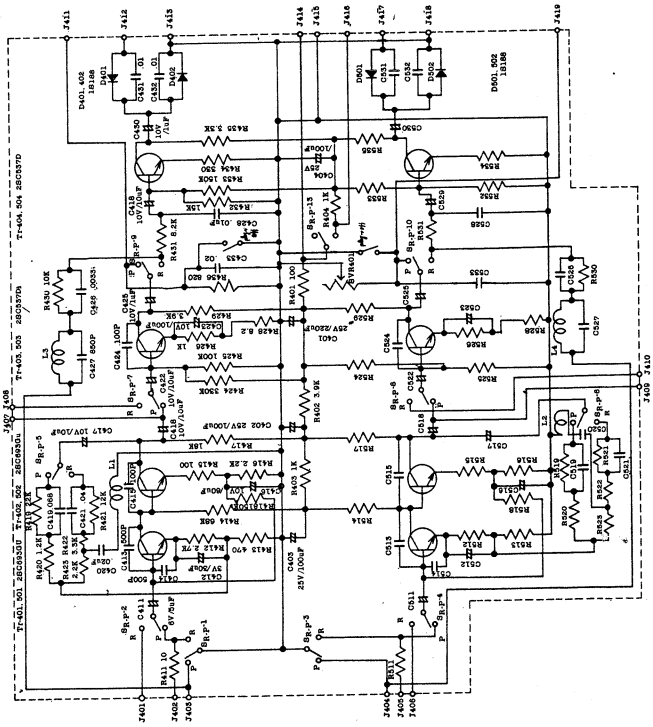
AMP-100



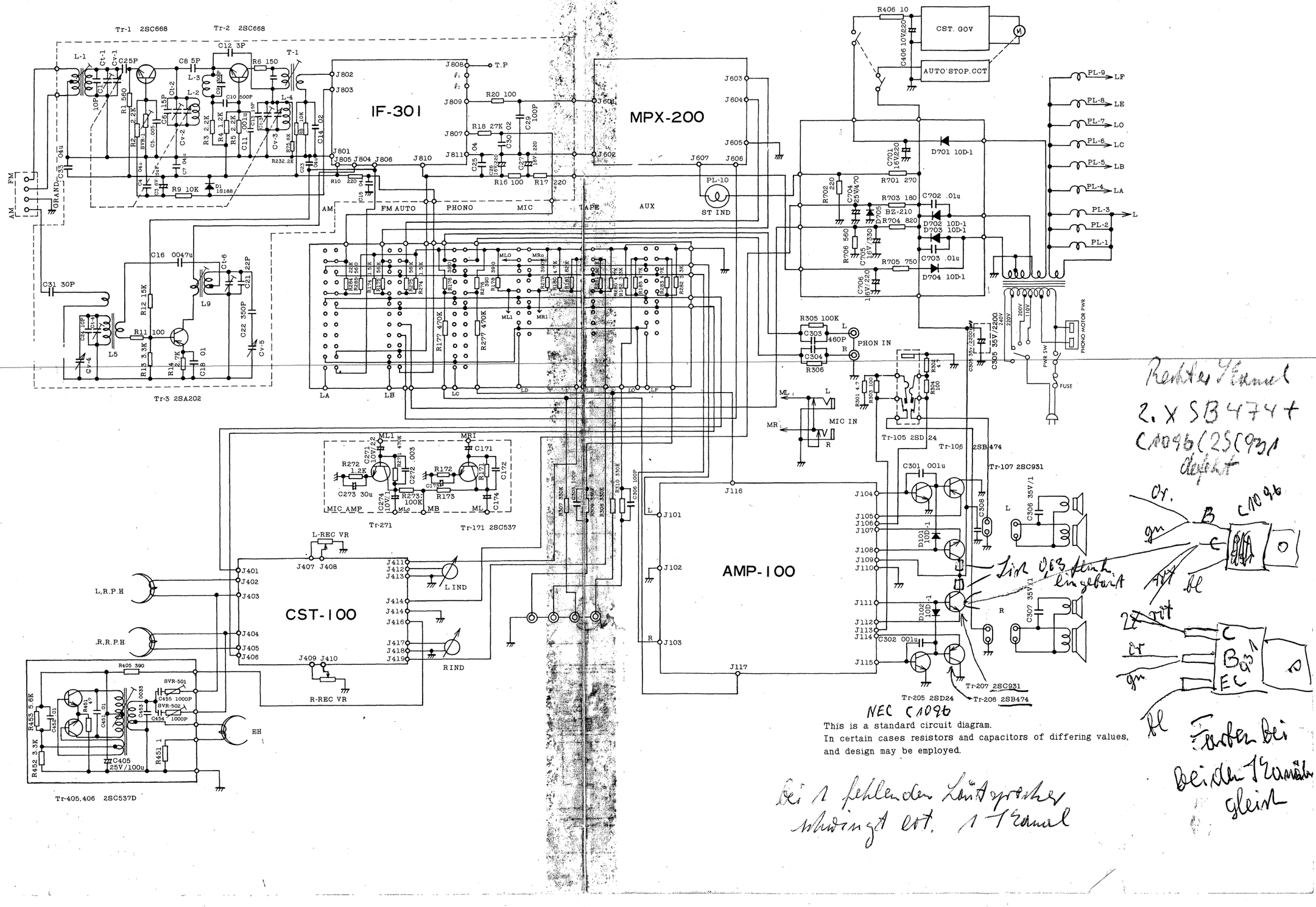
IF-301



CST-100



SCHEMATIC DIAGRAM



NEC C1096

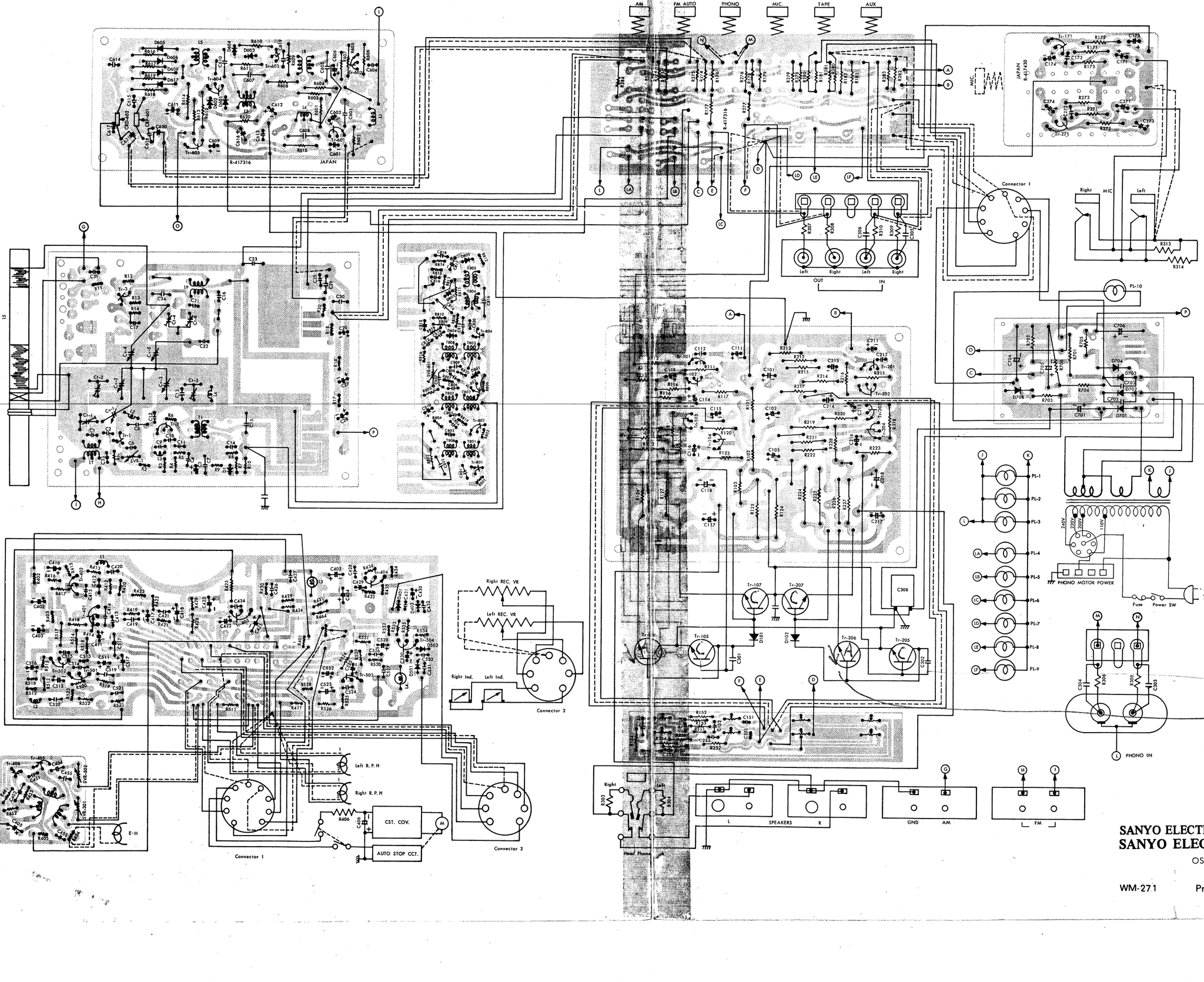
This is a standard circuit diagram.
In certain cases resistors and capacitors of differing values, and design may be employed.

Rechter Kanal
2 x SB474 +
C1096 (2SC931
dafür

Bei 1 fehlenden Lautsprecher wechselt evt. 1 Transistor

Farben bei beiden Transistoren gleich

WIRING DIAGRAM



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